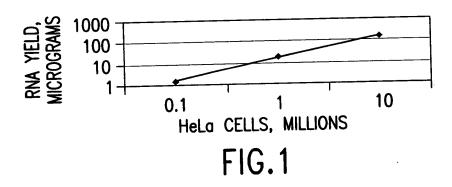
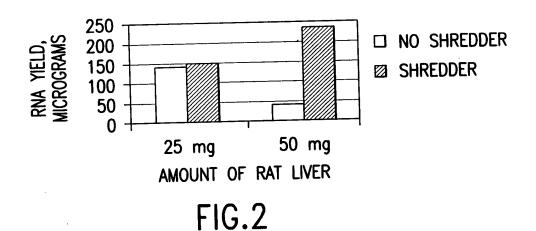
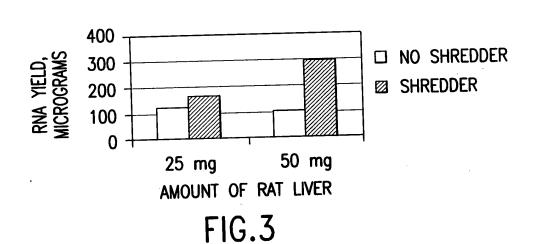
Appl. No. To Be Assigned; Filed: February 13, 2002
Dkt. No. 0942.5170001; Group Art Unit: To Be Assigned
Inventor(s): Simms et al.; Tel: 202/371-2600
Title: Methods and Compositions for Isolation of Biological
Macromole

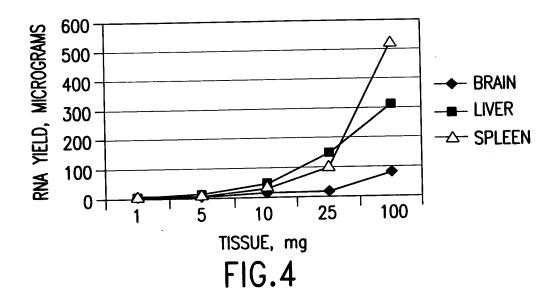


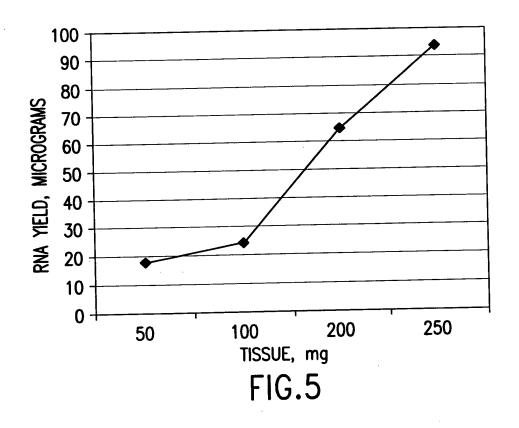




Appl. No. To Be Assigned; Filed: February 13, 2002 Okt. No. 0942.5170001; Group Art Unit: To Be Assigned inventor(s): Simms et al.; Tel: 202/371-2600 File: Methods and Compositions for Isolation of Biological Macromolecules

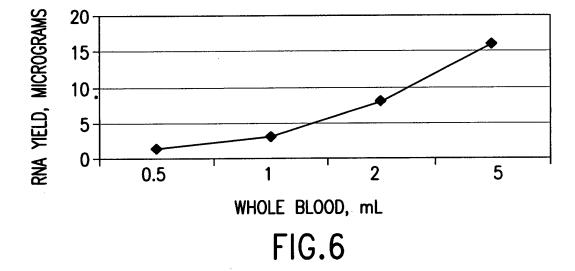


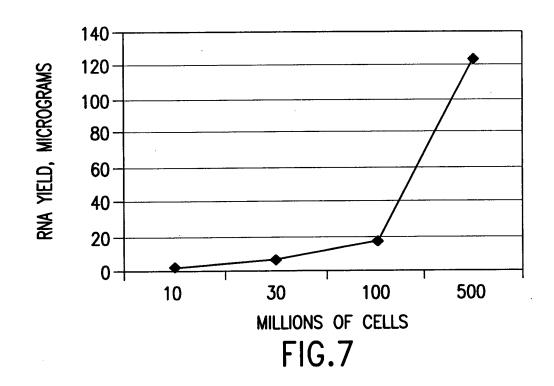


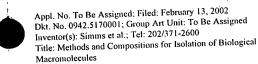


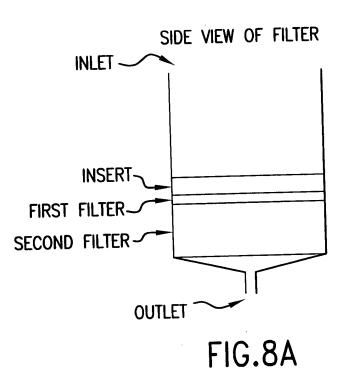


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VIEW FROM TOP LOOKING DOWN INTO SHREDDER

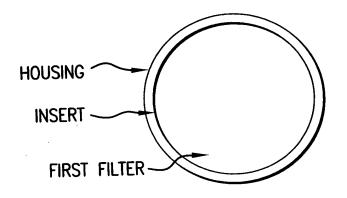


FIG.8B